

**Flood Control Project Maintenance
Levee Inspections**

Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD0544 Reclamation District No. 0544 Upper Roberts Island	Overall LMA Rating	Total LMA Miles						
	U	10.20						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	5.63	9.80	44.83	439.45%		0.09		
Trim / Thin Trees	0.23	0.04	0.39	3.82%				
Encroachments	0.02	0.01	0.06	0.59%	0.98	0.27		
Animal Control	0.63	0.23	1.55	15.19%				
Crown Surface / Depressions / Rutting	0.09		0.09	0.88%				
Flood Preparedness & Training	0.10		0.10	0.98%				
<i>Supplemental</i>								
DWR Erosion Survey	0.04		0.04	0.39%				
DRAFT DWR UCIP Field Study					0.19	0.05		
<i>LMA Totals:</i>	6.74	10.08	47.06	461.31%	1.17	0.41	0.00	0.00

Unit No. 01 San Joaquin River LB RD0544	Overall Unit Rating	Total Unit Miles						
	U	6.05						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	5.61	4.02	21.69	358.72%		0.09		
Trim / Thin Trees	0.17	0.04	0.33	5.46%				
Encroachments	0.02		0.02	0.33%	0.82	0.13		
Animal Control	0.16	0.09	0.52	8.60%				
Crown Surface / Depressions / Rutting	0.09		0.09	1.49%				
<i>Supplemental</i>								
DWR Erosion Survey	0.01		0.01	0.17%				
DRAFT DWR UCIP Field Study					0.11	0.03		
<i>Unit Totals:</i>	6.06	4.15	22.66	374.76%	0.93	0.25	0.00	0.00

Unit No. 02 Old River RB RD0544	Overall Unit Rating	Total Unit Miles						
	U	4.15						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.02	5.78	23.14	556.94%				
Trim / Thin Trees	0.06		0.06	1.44%				
Encroachments		0.01	0.04	0.96%	0.16	0.14		
Animal Control	0.47	0.14	1.03	24.79%				
<i>Supplemental</i>								
DWR Erosion Survey	0.03		0.03	0.72%				
DRAFT DWR UCIP Field Study					0.08	0.02		
<i>Unit Totals:</i>	0.58	5.93	24.30	584.86%	0.24	0.16	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2019 Levee Inspection Results**

Reclamation District No. 0544 Upper Roberts Island

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles
Unit No. 01 San Joaquin River	Left	6.05

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	5/9/2019 - 5/9/2019		9/25/2019 - 9/25/2019	
DWR Inspector	Alberto De Leon		Alberto De Leon	
Accompanied By	Jerry Robinson			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	0.00	Rating **	M	Issue No.	66
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			o	o
DWR ID	DWR_RD0544_01_s_2012_66				
Comment Code					
Inspector Comment					
The LMA has a good working knowledge of flood response. However, LMA has not been involved in flood training for several years.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	71
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			o	o
DWR ID	DWR_RD0544_01_s_2013_71				
Comment Code					
Inspector Comment					
The LMA has a copy of O&M manual on file in the office.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	72
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			o	o
DWR ID	DWR_RD0544_01_s_2013_72				
Comment Code					
Inspector Comment					
The LMA maintains an adequate supply of floodfight material.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	0.01	Rating **	M	Issue No.	143 (cont)
LM End	0.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.870356°	37.870356°
				-121.329852°	-121.329852°
DWR ID	22640				
Comment Code					
Inspector Comment					
DS_ID:22640 FS_ID:41906 EP_NO: 4116 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status.- a signboard on waterside shoulder and across the river.- no indicators on landside. FIELD_STRUCT_DESC: 8.625-inch steel natural gas pipeline through the levees and under the river, 3.9 feet below the crown. Waterside (WS) slope rock revetted. (Plans for installation of an 8.625-inch gas line under the San Joaquin River and through the levees authorized under Permit No. 4116, 1962 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 0.01)]. FS Date: 10/29/2013					

Photo 3 of 3 : UCIP_FA_2019_41906_41711.jpg



WS view: closer view of a signboard indicating a gasoline on levee shoulder.

LM Start	0.01	Rating **	M	Issue No.	144
LM End	0.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.870296°	37.870296°
				-121.329826°	-121.329826°
DWR ID	24713				
Comment Code					
Inspector Comment					
DS_ID:24713 FS_ID:23851 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned.May need proper abandonment.Pipe exposed on landside slope. FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel pipe of an unknown purpose through the levee, 2 feet below the crown. Appears abandoned. Only visible on the landside (LS) slope. No pipe or other features visible on the waterside (WS). FS Date: 10/29/2013					

Photo 1 of 3 : UCIP_FA_2019_23851_41728.jpg



LS view: exposed 12-inch steel pipe on levee slope. Appears abandoned.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	0.01	Rating **	M	Issue No.	144 (cont)
LM End	0.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.870296°	37.870296°
				-121.329826°	-121.329826°
DWR ID	24713				
Comment Code					
Inspector Comment					
DS_ID:24713 FS_ID:23851 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned. May need proper abandonment. Pipe exposed on landside slope. FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel pipe of an unknown purpose through the levee, 2 feet below the crown. Appears abandoned. Only visible on the landside (LS) slope. No pipe or other features visible on the waterside (WS). FS Date: 10/29/2013					

Photo 2 of 3 : UCIP_FA_2019_23851_41727.jpg



LS view: a 12-inch steel pipe on levee slope. Holes on the pipe, appears abandoned.

LM Start	0.01	Rating **	M	Issue No.	144 (cont)
LM End	0.01	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_23851_41726.jpg



WS view: no pipe and appurtenances found on waterside.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	0.06	Rating **	M	Issue No.	4
LM End	0.23	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.869606°	37.867580°	
			-121.329571°	-121.327791°	
DWR ID	DWR_RD0544_01_s_2012_4				
Comment Code					
EQ : Equipment					
Inspector Comment					
Farm equipment and supplies are stored at landside toe.					

Photo 1 of 1 : FA_2019_RD0544_108_4_20191117_00152.jpg



View of farm equipment on landside toe. Fall 2019

LM Start	0.12	Rating **	M	Issue No.	38
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.868989°	37.868989°	
			-121.328849°	-121.328849°	
DWR ID	DWR_RD0544_01_s_2019_38				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.16	Rating **	M	Issue No.	35
LM End	0.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.868499°	37.862168°	
			-121.328423°	-121.320943°	
DWR ID	DWR_RD0544_01_f_2019_35				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	0.26	Rating **	M	Issue No.	36
LM End	0.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.867208°	37.865906°	
			-121.327788°	-121.327837°	
DWR ID	DWR_RD0544_01_f_2019_36				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.26	Rating **	M	Issue No.	85
LM End	0.35	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.867087°	37.865910°	
			-121.327802°	-121.327837°	
DWR ID	DWR_RD0544_01_s_2015_85				
Comment Code					
DT : Ditch					
Inspector Comment					
An irrigation ditch is located at the landside toe.					

Photo 1 of 1 : FA_2019_RD0544_108_85_20190830_00048.jpg



Looking southwest at Irrigation ditch at landward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	0.38	Rating **	M	Issue No.	145
LM End	0.38	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.865468°	37.865468°
				-121.327602°	-121.327602°
DWR ID	22643				
Comment Code					
Inspector Comment					
DS_ID:22643 FS_ID:41974 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation on waterside. FIELD_STRUCT_DESC: *ABANDONED* Pipe of an unknown size, material, or purpose through the levee, approximately 8 feet below the crown. Plugged by USACE in 1962. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 10/29/2013					

No Photos

LM Start	0.43	Rating **	M	Issue No.	33
LM End	0.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.864864°	37.864864°
				-121.326952°	-121.326952°
DWR ID	DWR_RD0544_01_f_2019_33				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	0.43	Rating **	M	Issue No.	44
LM End	0.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.864852°	37.864852°	
			-121.326956°	-121.326956°	
DWR ID	DWR_RD0544_01_f_2019_44				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.45	Rating **	M	Issue No.	1
LM End	0.45	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.864713°	37.864713°	
			-121.326708°	-121.326708°	
DWR ID	DWR_RD0544_01_f_2013_1				
Comment Code					
MA : Material					
Inspector Comment					
Old broken concrete pipes were placed on the waterside berm.					

Photo 1 of 1 : FA_2019_RD0544_108_1_20190830_00001.jpg



Looking northeast at broken concrete piping on waterward berm.

LM Start	0.47	Rating **	C	Issue No.	53
LM End	0.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.864650°	37.864650°	
			-121.326462°	-121.326462°	
DWR ID	DWR_RD0544_01_s_2019_53				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings are on the waterside shoulder.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	0.55	Rating **	M	Issue No.	61
LM End	0.63	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		37.864359 °	37.864011 °	
			-121.324939 °	-121.323562 °	
DWR ID	DWR_RD0544_01_f_2013_61				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

No Photos

LM Start	0.58	Rating **	U	Issue No.	54
LM End	0.58	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.864268 °	37.864268 °	
			-121.324396 °	-121.324396 °	
DWR ID	DWR_RD0544_01_s_2019_54				
Comment Code					
EQ : Equipment					
Inspector Comment					
Farmer is storing irrigation pipe within landside easement.					

Photo 1 of 1 : FA_2019_RD0544_108_54_20190830_00030.jpg



View of irrigation pipes being stored in landside toe easement. (Spring 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	0.66	Rating **	U	Issue No.	9 (cont)
LM End	0.72	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.863790°	37.863432°	
			-121.323027°	-121.322155°	
DWR ID	DWR_RD0544_01_s_2012_9				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 2 of 2 : FA_2019_RD0544_108_9_20190830_00012.jpg



Looking upstream at landscaping on landward slope.

LM Start	0.70	Rating **	U	Issue No.	10
LM End	0.72	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.863575°	37.863488°	
			-121.322367°	-121.322108°	
DWR ID	DWR_RD0544_01_s_2012_10				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Oleander on waterside slope is blocking visibility.					

Photo 1 of 1 : FA_2019_RD0544_108_10_20190830_00013.jpg



Dense oleanders on waterward slope, Fall 2015.

LM Start	0.70	Rating **	U	Issue No.	55
LM End	0.70	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.863576°	37.863576°	
			-121.322327°	-121.322327°	
DWR ID	DWR_RD0544_01_s_2019_55				
Comment Code					
BU : Building					
Inspector Comment					
There is a residential building on the landside slope.					

Photo 1 of 1 : FA_2019_RD0544_108_55_20190830_00031.jpg



View of residential building on landside slope. (Spring 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	0.73	Rating **	M	Issue No.	57
LM End	0.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.863379°	37.863379°
				-121.321875°	-121.321875°
DWR ID	DWR_RD0544_01_s_2019_57				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.75	Rating **	M	Issue No.	46
LM End	0.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.863209°	37.862327°
				-121.321529°	-121.320886°
DWR ID	DWR_RD0544_01_f_2019_46				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0544_108_46_20191117_00153.jpg



Typical view of vegetation obstructing view of landside toe and easement. Fall 2019

LM Start	0.81	Rating **	M	Issue No.	93
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.862694°	37.862694°
				-121.320887°	-121.320887°
DWR ID	DWR_RD0544_01_f_2014_93				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0544_108_93_20190830_00054.jpg



Looking west at untrimmed trees on landward slope and toe, Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	0.83	Rating **	M	Issue No.	58
LM End	1.31	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.862312°	37.857169°	
			-121.320889°	-121.320224°	
DWR ID	DWR_RD0544_01_s_2019_58				
Comment Code					
FE : Fence					
Inspector Comment					
There is a barbed wire fence near the landside toe and within the easement.					

Photo 1 of 1 : FA_2019_RD0544_108_58_20190830_00032.jpg



View of barbed wire fence near landside toe and within easement. (Spring 2019)

LM Start	0.84	Rating **	U	Issue No.	50
LM End	4.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.862168°	37.820557°	
			-121.320943°	-121.321217°	
DWR ID	DWR_RD0544_01_f_2019_50				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Visibility of the waterside slope is partially blocked due to tall weeds and bushes.					

Photo 1 of 1 : FA_2019_RD0544_108_50_20191117_00156.jpg



Typical view of vegetation on waterside slope. Fall 2019

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.12	Rating **	M	Issue No.	39
LM End	1.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.859423°	37.859423°
				-121.318328°	-121.318328°
DWR ID	DWR_RD0544_01_s_2012_39				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
There are untrimmed trees on the landside slope.					

Photo 1 of 2 : FA_2019_RD0544_108_39_20190830_00021.jpg



Looking southwest at landside slope.

LM Start	1.12	Rating **	M	Issue No.	39 (cont)
LM End	1.12	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_RD0544_108_39_20190830_00022.jpg



Looking southwest at untrimmed tree on landward slope.

LM Start	1.19	Rating **	M	Issue No.	12
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.858489°	37.858489°
				-121.318743°	-121.318743°
DWR ID	DWR_RD0544_01_s_2018_12				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.29	Rating **	M	Issue No.	89
LM End	1.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.857321 °	37.857321 °	
			-121.319943 °	-121.319943 °	
DWR ID	DWR_RD0544_01_s_2014_89				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.32	Rating **	M	Issue No.	63
LM End	1.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.857093 °	37.857093 °	
			-121.320378 °	-121.320378 °	
DWR ID	DWR_RD0544_01_s_2019_63				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0544_108_63_20190830_00033.jpg



View of tree limbs on landside slope. (Spring 2019)

LM Start	1.38	Rating **	M	Issue No.	64
LM End	1.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.856443 °	37.856443 °	
			-121.321123 °	-121.321123 °	
DWR ID	DWR_RD0544_01_s_2019_64				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.44	Rating **	M	Issue No.	42
LM End	1.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.855617°	37.855617°
				-121.321157°	-121.321157°
DWR ID	DWR_RD0544_01_f_2018_42				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0544_108_42_20190830_00023.jpg



Looking at untrimmed tree at landward toe. (Fall 2018)

LM Start	1.44	Rating **	N	Issue No.	14
LM End	1.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.855583°	37.855583°
				-121.321177°	-121.321177°
DWR ID	DWR_RD0544_01_s_2012_14				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	1.46	Rating **	M	Issue No.	87
LM End	1.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.855416°	37.855043°
				-121.321171°	-121.321122°
DWR ID	DWR_RD0544_01_s_2015_87				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0544_108_87_20190830_00050.jpg



Looking west at untrimmed tree at landward toe, Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.47	Rating **	U	Issue No.	76
LM End	1.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.855164°	37.855164°
				-121.321139°	-121.321139°
DWR ID	DWR_RD0544_01_f_2019_76				
Comment Code					
RA : Ramp					
Inspector Comment					
Unpermitted gates on landside shoulder.					

Photo 1 of 2 : FA_2019_RD0544_108_76_20191117_00161.jpg



View of new gates on landside shoulder. Fall 2019

LM Start	1.47	Rating **	U	Issue No.	76 (cont)
LM End	1.47	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2019_RD0544_108_76_20191117_00163.jpg



View of new gates on landside shoulder. Fall 2019

LM Start	1.48	Rating **	M	Issue No.	62
LM End	6.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.855049°	37.808780°
				-121.321108°	-121.328154°
DWR ID	DWR_RD0544_01_f_2019_62				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Visibility of the majority of the landside slope and easement is partially blocked due to tall grass and weeds.					

Photo 1 of 1 : FA_2019_RD0544_108_62_20191117_00155.jpg



Typical view of vegetation on landside slope and easement. Fall 2019

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.59	Rating **	M	Issue No.	95
LM End	1.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.854299 °	37.854299 °
				-121.321865 °	-121.321865 °
DWR ID	DWR_RD0544_01_s_2018_95				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
There is an untrimmed tree on the landside slope.					

Photo 1 of 1 : FA_2019_RD0544_108_95_20190830_00056.jpg



Looking southwest at untrimmed tree on landward slope.

LM Start	1.67	Rating **	A/W	Issue No.	78
LM End	1.70	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.854920 °	37.854850 °
				-121.323040 °	-121.323770 °
DWR ID	189-109				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:93					
Site Designation:189-109					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.72	Rating **	M	Issue No.	146 (cont)
LM End	1.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.854506°	37.854506°
				-121.323886°	-121.323886°
DWR ID	22648				
Comment Code					
Inspector Comment					
DS_ID:22648 FS_ID:51351 EP_NO: 4114 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/22/2016: No signs of erosion or depressions found on either levee slope. Slope may have been backfilled but cause of original depression (likely a pipe integrity problem) may not have been addressed. Walkway still in poor structural condition. Downgraded this crossing from Urgent to Non-Urgent. (K. Fazel - UCIP)10/29/2013:- levee depression on both sides of the levee.- 2-inch electric conduit on waterside and service pole on landside.Walkway in poor structural condition. (P. Amatya - DWR) FIELD_STRUCT_DESC: 18-inch steel irrigation discharge pipe through the levee, 2 feet below the crown. Pump mounted on a pile structure pier in the river. Siphon breaker on the apex of the pipe on the landside (LS) slope. Concrete standpipe at the LS toe. 2-inch electrical conduit through the levee. Service pole at the LS toe. (Plans to install a pump, pump structure, and one 20-inch pipeline through the levee authorized under Permit No. 4114, 1962 - Katie M. Feck). [Additional Reference(s): DWR Levee Log, 2005, 14-inch pipe referenced, 4.2 feet below the crown. USACE San Joaquin O&M Manual 7, April 1964, (HLM 1.73), 20-inch pipe, 4.2 feet below the crown, referenced]. FS Date: 12/22/2016					

Photo 3 of 3 : UCIP_FA_2019_51351_41784.jpg



WS view: depression on levee shoulder near walkway. Half of the walkway stripped off.

LM Start	1.78	Rating **	M	Issue No.	88
LM End	1.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.853770°	37.853770°
				-121.324293°	-121.324293°
DWR ID	DWR_RD0544_01_s_2015_88				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.83	Rating **	M	Issue No.	70
LM End	1.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.853006°	37.852683°
				-121.324100°	-121.323972°
DWR ID	DWR_RD0544_01_s_2019_70				
Comment Code					
DE : Debris					
Inspector Comment					
Concrete rubble, firewood, limbs, and branches are located on the landside slope and toe.					

Photo 1 of 2 : FA_2019_RD0544_108_70_20190830_00036.jpg



View on concrete rubble on landside slope and toe. (Spring 2019)

LM Start	1.83	Rating **	M	Issue No.	70 (cont)
LM End	1.86	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2019_RD0544_108_70_20190830_00037.jpg



View of tree limbs and branches on landside slope and toe. (Spring 2019)

LM Start	1.88	Rating **	M	Issue No.	81
LM End	1.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.852327°	37.852327°
				-121.323767°	-121.323767°
DWR ID	DWR_RD0544_01_f_2017_81				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Active rodents are on the levee.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.25	Rating **	U	Issue No.	147
LM End	2.25	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.848225°	37.848225°
				-121.324868°	-121.324868°
DWR ID	22650				
Comment Code					
Inspector Comment					
DS_ID:22650 FS_ID:53362 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/2/2018 Severe erosion on LS slope so crossing remains Urgent (D. Sanoski - DWR UCIP).12/22/2016: Erosion of LS slope along pipe alignment. (K. Fazel - UCIP)10/29/2013:Siphon breaker on the landward slope not found. It has been removed and pipe plugged.Huge levee slope erosion on landside.2-inch electric conduit on waterside, service pole on landside. (P. Amatya - DWR) FIELD_STRUCT_DESC: 14-inch steel irrigation discharge pipe through the levee, 2 feet below the crown. Pump on a pile structure in the river. Steel walkway to the pump. 2-inch electrical conduit through the levee to the waterside (WS). Power pole on the landside (LS). [Additional Reference(s): DWR Levee Log, 2005, pipe referenced as 5 feet below the crown. USACE San Joaquin O&M Manual 7, April 1964, (HLM 2.26), pipe referenced as 5 feet below the crown]. FS Date: 10/2/2018 2:20:00 PM					

Photo 1 of 3 : UCIP_FA_2019_53362_42007.jpg



WS view: steel pipe, walkway to the pump, conduit (bottom left) on levee slope.

LM Start	2.25	Rating **	U	Issue No.	147 (cont)
LM End	2.25	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_53362_42006.jpg



WS view: steel pipe, walkway to the pump, and pump on steel pile structure in the stream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.25	Rating **	U	Issue No.	147 (cont)
LM End	2.25	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.848225°	37.848225°
				-121.324868°	-121.324868°
DWR ID	22650				
Comment Code					
Inspector Comment					
DS_ID:22650 FS_ID:53362 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/2/2018 Severe erosion on LS slope so crossing remains Urgent (D. Sanoski - DWR UCIP).12/22/2016: Erosion of LS slope along pipe alignment. (K. Fazel - UCIP)10/29/2013:Siphon breaker on the landward slope not found. It has been removed and pipe plugged.Huge levee slope erosion on landside.2-inch electric conduit on waterside, service pole on landside. (P. Amatya - DWR) FIELD_STRUCT_DESC: 14-inch steel irrigation discharge pipe through the levee, 2 feet below the crown. Pump on a pile structure in the river. Steel walkway to the pump. 2-inch electrical conduit through the levee to the waterside (WS). Power pole on the landside (LS). [Additional Reference(s): DWR Levee Log, 2005, pipe referenced as 5 feet below the crown. USACE San Joaquin O&M Manual 7, April 1964, (HLM 2.26), pipe referenced as 5 feet below the crown]. FS Date: 10/2/2018 2:20:00 PM					

Photo 3 of 3 : UCIP_FA_2019_53362_42005.jpg



LS view: exposed pipe, concrete standpipe (left), service pole (top right) and eroded slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.26	Rating **	U	Issue No.	148
LM End	2.26	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.848029°	37.848029°
				-121.324851°	-121.324851°
DWR ID	22652				
Comment Code					
Inspector Comment					
DS_ID:22652 FS_ID:53363 EP_NO: 13554 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/2/2018 Significant erosion on LS slope and around pipe, also noticed significant erosion on WS slope so crossing remains as Urgent (D. Sanoski - DWR UCIP).12/22/2016: Depression (hole) in levee in two places on the WS slope in alignment with this pipe. One of the holes is due to rodent activity. Crossing has been upgraded from Non-Urgent to Urgent. (K. Fazel - UCIP)10/29/2013:- levee slope erosion on landside.- needs cleaning of siphon breaker. (P. Amatya - DWR) FIELD_STRUCT_DESC: 12-inch coated steel drainage discharge pipe, 2 feet below the crown. Pump in a concrete standpipe in a drainage ditch at the landside (LS) toe. Siphon breaker in a steel riser on the waterside (WS). (Plans to install a 12-inch discharge pipe through the levee for removal of excess waters authorized under Permit No. 13554, 1982 - Lloyd Phelps Jr. [Additional Reference(s): DWR Levee Log, 2005, states that the pump is on a pier in the channel]. FS Date: 10/2/2018 2:34:00 PM					

Photo 1 of 3 : UCIP_FA_2019_53363_44830.jpg



WS view: steel pipe immersed into the stream.

LM Start	2.26	Rating **	U	Issue No.	148 (cont)
LM End	2.26	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_53363_44829.jpg



WS view: siphon breaker inside steel pipe riser (bottom) on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.26	Rating **	U	Issue No.	148 (cont)
LM End	2.26	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.848029 °	37.848029 °
				-121.324851 °	-121.324851 °
DWR ID	22652				
Comment Code					
Inspector Comment					
<p>DS_ID:22652 FS_ID:53363 EP_NO: 13554 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/2/2018 Significant erosion on LS slope and around pipe, also noticed significant erosion on WS slope so crossing remains as Urgent (D. Sanoski - DWR UCIP).12/22/2016: Depression (hole) in levee in two places on the WS slope in alignment with this pipe. One of the holes is due to rodent activity. Crossing has been upgraded from Non-Urgent to Urgent. (K. Fazel - UCIP)10/29/2013:- levee slope erosion on landside.- needs cleaning of siphon breaker. (P. Amatya - DWR) FIELD_STRUCT_DESC: 12-inch coated steel drainage discharge pipe, 2 feet below the crown. Pump in a concrete standpipe in a drainage ditch at the landside (LS) toe. Siphon breaker in a steel riser on the waterside (WS). (Plans to install a 12-inch discharge pipe through the levee for removal of excess waters authorized under Permit No. 13554, 1982 - Lloyd Phelps Jr). [Additional Reference(s): DWR Levee Log, 2005, states that the pump is on a pier in the channel]. FS Date: 10/2/2018 2:34:00 PM</p>					

Photo 3 of 3 : UCIP_FA_2019_53363_44828.jpg



WS view: siphon breaker inside steel pipe riser on levee slope. Needs dirt cleaning/clearing.

LM Start	2.26	Rating **	M	Issue No.	98
LM End	2.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.848021 °	37.847343 °
				-121.324839 °	-121.324672 °
DWR ID	DWR_RD0544_01_f_2014_98				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Untrimmed trees are on the landside slope.					

Photo 1 of 1 : FA_2019_RD0544_108_98_20190830_00057.jpg



Looking south at untrimmed trees on landward slope.

<p>* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.27	Rating **	U	Issue No.	34
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.847973°	37.846743°
				-121.324820°	-121.324336°
DWR ID	DWR_RD0544_01_s_2012_34				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are several rodent holes within this landside reach.					

Photo 1 of 2 : FA_2019_RD0544_108_34_20191117_00158.jpg



View of large rodent hole on landside slope. Fall 2019

LM Start	2.27	Rating **	U	Issue No.	34 (cont)
LM End	2.36	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_RD0544_108_34_20190830_00018.jpg



Looking south at several rodent holes on landward shoulder and slope.

LM Start	2.30	Rating **	M	Issue No.	90
LM End	2.30	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.847542°	37.847542°
				-121.324732°	-121.324732°
DWR ID	DWR_RD0544_01_s_2019_90				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0544_108_90_20190830_00052.jpg



Looking at pot hole on levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.38	Rating **	U	Issue No.	67
LM End	2.38	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.846508°	37.846508°	
			-121.324103°	-121.324103°	
DWR ID	DWR_RD0544_01_s_2013_67				
Comment Code					
BU : Building					
Inspector Comment					
Building has been in place for several years.					

Photo 1 of 1 : FA_2019_RD0544_108_67_20190830_00034.jpg



Looking southeast at building at landward toe.

LM Start	2.43	Rating **	C	Issue No.	91
LM End	2.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.845973°	37.845973°	
			-121.323373°	-121.323373°	
DWR ID	DWR_RD0544_01_s_2017_91				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
There is slope stability with a depression in the crown due to vehicle traffic.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.43	Rating **	M	Issue No.	149 (cont)
LM End	2.43	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.845968°	37.845968°
				-121.323357°	-121.323357°
DWR ID	22654				
Comment Code					
Inspector Comment					
DS_ID:22654 FS_ID:46671 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - soil around the siphon breaker eroded. FIELD_STRUCT_DESC: 8-inch drainage discharge pipe of an unknown material through the levee, 2 feet below the crown. Siphon breaker on the waterside (WS) slope. Pump on a drainage channel bank on the landside (LS). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 10/29/2013					

Photo 3 of 3 : UCIP_FA_2019_46671_44834.jpg



LS view: pump on drainage ditch bank about 140 ft from the levee.

LM Start	2.53	Rating **	A/W	Issue No.	129
LM End	2.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.844900°	37.844500°
				-121.322300°	-121.321900°
DWR ID	LMA-473				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description:Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage. Site ID No:567 Site Designation:LMA-473 Repair Type: Erosion Rating:Area of Concern Field Date:8/10/2017 Notes: large rodent holes observed on landside slope.					

Photo 1 of 3 : LEVAL_FA_2019_567_4552.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.57	Rating **	M	Issue No.	150
LM End	2.57	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.844386 °	37.844386 °	
			-121.321894 °	-121.321894 °	
DWR ID	22655				
Comment Code					
Inspector Comment					
DS_ID:22655 FS_ID:51361 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/22/2016: Erosion has been backfilled. Slope has been repaired but unclear if the source of the erosion (a possible leak in pipe) was addressed. Crossing has been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)10/29/2013:Siphon breaker on the landward shoulder not found.Service pole on landside.Huge erosion on landside and waterside of the levee due to the pipe leakage. (P. Amatya - DWR) FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 2 feet below the crown. Pump mounted on a pile structure in the river. Steel walkway to the pump. Air relief valve on the waterside (WS) shoulder. Concrete distribution box at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 2.58), 16-inch pipe, 12 feet below the crown, referenced]. FS Date: 12/22/2016					

Photo 1 of 3 : UCIP_FA_2019_51361_44839.jpg



WS view: exposed pipe, walkway to pump, and pump on pile structure in the stream.

LM Start	2.57	Rating **	M	Issue No.	150 (cont)
LM End	2.57	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_51361_44838.jpg



WS view: exposed pipe, air relief valve, and huge erosion on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.57	Rating **	M	Issue No.	150 (cont)
LM End	2.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.844386 °	37.844386 °
				-121.321894 °	-121.321894 °
DWR ID	22655				
Comment Code					
Inspector Comment					
<p>DS_ID:22655 FS_ID:51361 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/22/2016: Erosion has been backfilled. Slope has been repaired but unclear if the source of the erosion (a possible leak in pipe) was addressed. Crossing has been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)10/29/2013:Siphon breaker on the landward shoulder not found.Service pole on landside.Huge erosion on landside and waterside of the levee due to the pipe leakage. (P. Amatya - DWR) FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 2 feet below the crown. Pump mounted on a pile structure in the river. Steel walkway to the pump. Air relief valve on the waterside (WS) shoulder. Concrete distribution box at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 2.58), 16-inch pipe, 12 feet below the crown, referenced]. FS Date: 12/22/2016</p>					

Photo 3 of 3 : UCIP_FA_2019_51361_44837.jpg



WS view: walkway to pump and pump on pile structure in the stream.

LM Start	2.84	Rating **	N	Issue No.	22
LM End	2.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.841075 °	37.841075 °
				-121.320205 °	-121.320205 °
DWR ID	DWR_RD0544_01_s_2012_22				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

<p>* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.87	Rating **	M	Issue No.	69
LM End	2.87	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.841032°	37.841032°
				-121.319748°	-121.319748°
DWR ID	DWR_RD0544_01_s_2013_69				
Comment Code					
RA : Ramp					
Inspector Comment					
There is an unauthorized ramp on the waterside slope.					

No Photos

LM Start	2.94	Rating **	M	Issue No.	5
LM End	2.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.840697°	37.840697°
				-121.318252°	-121.318252°
DWR ID	RD0544U01RM49.67				
Comment Code					
Inspector Comment					
Site ID: RD0544U01RM49.67 08/13/2019: No significant change observed. 09/13/2017: No significant change observed. 07/25/2016: No significant change observed. 06/24/2015: No significant change observed. 06/19/2014: No significant change observed. 08/13/2013: Pump has been removed. A larger pocket erosion has been found at the erosion site. 08/07/2012: The erosion is immediately upstream of a river bend. Dense vegetation is visible at the erosion site.					

Photo 1 of 3 : SJR2019_RD0544U01RM49.67_1.jpg



Front view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.94	Rating **	M	Issue No.	5 (cont)	
LM End	2.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
			Start	End		
Item	DWR Erosion Survey			37.840697°	37.840697°	
				-121.318252°	-121.318252°	
DWR ID	RD0544U01RM49.67					
Comment Code						
Inspector Comment						
Site ID: RD0544U01RM49.67 08/13/2019: No significant change observed. 09/13/2017: No significant change observed. 07/25/2016: No significant change observed. 06/24/2015: No significant change observed. 06/19/2014: No significant change observed. 08/13/2013: Pump has been removed. A larger pocket erosion has been found at the erosion site. 08/07/2012: The erosion is immediately upstream of a river bend. Dense vegetation is visible at the erosion site.						

Photo 2 of 3 : SJR2019_RD0544U01RM49.67_2.jpg



Front view of the erosion.

LM Start	2.94	Rating **	M	Issue No.	5 (cont)
LM End	2.94	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2019_RD0544U01RM49.67_3.jpg



Close-up view of the site.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	3.07	Rating **	A/W	Issue No.	130
LM End		Issue Type +	Ob	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.838880 °		
			-121.318210 °		
DWR ID	189-16				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:94					
Site Designation:189-16					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

LM Start	3.16	Rating **	M	Issue No.	151
LM End	3.16	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.837556 °	37.837556 °	
			-121.317523 °	-121.317523 °	
DWR ID	22656				
Comment Code					
Inspector Comment					
DS_ID:22656					
FS_ID:51365					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 12/22/2016: Giant pit in LS slope has been backfilled, though no permit uncovered for this work. Unclear whether original source of damage (likely a leak in pipe) was addressed. Crossing has been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)10/29/2013:- huge levee slope erosion on landside. Walkway to distro box on LS toe in poor structural condition.- 1-inch electric conduit, power pole on landside.- not clear whether this is a irrigation or drainage pipe. (P. Amatya - DWR)					
FIELD_STRUCT_DESC: 1 of 2: 14-inch steel irrigation discharge pipe through the levee, 8 feet below the crown. Slide gate in a 6-foot by 6-foot concrete distribution box at the landside (LS) toe. 1-inch electrical conduit through the levee. Power pole at the LS toe. Pump house on the waterside (WS) slope, but no pump attached as per the 2013 inspection. Flow meter on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 3.19)].					
FS Date: 12/22/2016					

Photo 1 of 3 : UCIP_FA_2019_51365_42207.jpg



WS view: exposed steel pipes, levee slope, and pumphouse for 2nd pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	3.17	Rating **	M	Issue No.	152
LM End	3.17	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.837544 °	37.837544 °	
			-121.317517 °	-121.317517 °	
DWR ID	22681				
Comment Code					
Inspector Comment					
DS_ID:22681 FS_ID:51366 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/22/2016: Giant pit in LS slope has been backfilled, though no permit uncovered for this work. Unclear whether original source of damage (likely a leak in pipe) was addressed. Crossing has been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)10/29/2013:Huge erosion and levee damage on landside slope due to the leaky pipe. Walkway to distro box on LS toe in poor structural condition. (P. Amatya - DWR) FIELD_STRUCT_DESC: 2 of 2: 14-inch steel irrigation discharge pipe through the levee, 8 feet below the crown. Slide gate in a 6-foot by 6-foot concrete distribution box at the landside (LS) toe. 1-inch electrical conduit through the levee. Power pole at the LS toe. Pump house on the waterside (WS) slope, but no pump attached as per the 2013 inspection. Flow meter on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 3.19)]. FS Date: 12/22/2016					

Photo 1 of 3 : UCIP_FA_2019_51366_44845.jpg



WS view: exposed steel pipes, levee slope, and pumphouse.

LM Start	3.17	Rating **	M	Issue No.	152 (cont)
LM End	3.17	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_51366_44844.jpg



WS view: pipe daylights on levee slope. Siphon breaker removed and plugged.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	3.17	Rating **	M	Issue No.	152 (cont)
LM End	3.17	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.837544 °	37.837544 °
				-121.317517 °	-121.317517 °
DWR ID	22681				
Comment Code					
Inspector Comment					
DS_ID:22681 FS_ID:51366 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/22/2016: Giant pit in LS slope has been backfilled, though no permit uncovered for this work. Unclear whether original source of damage (likely a leak in pipe) was addressed. Crossing has been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)10/29/2013:Huge erosion and levee damage on landside slope due to the leaky pipe. Walkway to distro box on LS toe in poor structural condition. (P. Amatya - DWR) FIELD_STRUCT_DESC: 2 of 2: 14-inch steel irrigation discharge pipe through the levee, 8 feet below the crown. Slide gate in a 6-foot by 6-foot concrete distribution box at the landside (LS) toe. 1-inch electrical conduit through the levee. Power pole at the LS toe. Pump house on the waterside (WS) slope, but no pump attached as per the 2013 inspection. Flow meter on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 3.19)]. FS Date: 12/22/2016					

Photo 3 of 3 : UCIP_FA_2019_51366_44843.jpg



WS view: exposed steel pipe (right) with flow meter near pumphouse.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	3.48	Rating **	M	Issue No.	56
LM End	3.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.833583°	37.833583°	
			-121.314968°	-121.314968°	
DWR ID	DWR_RD0544_01_s_2012_56				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.49	Rating **	A/W	Issue No.	153
LM End	3.49	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.833475°	37.833475°	
			-121.314822°	-121.314822°	
DWR ID	22658				
Comment Code					
Inspector Comment					
DS_ID:22658 FS_ID:24892 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: - pipe on channel bank looks comparatively new.- pump approximately 500 ft. from the levee center on landside in drainage ditch.- a tall concrete standpipe and service pole near the pump. FIELD_STRUCT_DESC: 12-inch steel drainage discharge pipe through the levee, 3 feet below the crown. Pump and concrete standpipe in a drainage ditch on the landside (LS). Air vent on the waterside (WS). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 3.53)]. FS Date: 10/29/2013					

Photo 1 of 3 : UCIP_FA_2019_24892_44853.jpg



WS view: exposed steel pipe on bank of the channel.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	3.97	Rating **	M	Issue No.	24
LM End	3.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.827360°	37.827360°	
			-121.311067°	-121.311067°	
DWR ID	DWR_RD0544_01_s_2015_24				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	4.21	Rating **	C	Issue No.	8
LM End	4.22	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.825248°	37.825248°	
			-121.313856°	-121.313856°	
DWR ID	RD0544U01RM51.04				
Comment Code					
Inspector Comment					
Site ID: RD0544U01RM51.04 10/30/2019: No new erosion was found at the repaired site. 09/13/2017: The erosion has been repaired. 07/25/2016: No significant change observed. 06/24/2015: No significant change observed. 06/19/2014: No significant change observed. 08/13/2013: The erosion has been caused by irrigation pipe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	4.29	Rating **	M	Issue No.	154
LM End	4.29	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.825071 °	37.825071 °
				-121.314932 °	-121.314932 °
DWR ID	22660				
Comment Code					
Inspector Comment					
DS_ID:22660 FS_ID:24893 EP_NO: 11536 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - siphon breaker was removed from CMP riser on landside shoulder. Needs replacement.- some details about existing pipes available in new Application no. 18903.- electric control box on landside and conduit on waterside. FIELD_STRUCT_DESC: 1 of 3: 12-inch coated steel irrigation discharge pipe through the levee, 3 feet below the crown. Pump on a pumping platform in the river with a walkway from the waterside (WS) slope. Siphon breaker in a corrugated metal pipe (CMP) riser and a concrete standpipe on the landside (LS). (Plans to install a platform and two irrigation pumps with two irrigation pipes and a drainage pipe through the levee, replacing an existing pump and irrigation pipe, authorized under Permit No. 11536, 1976 - Lloyd L. Phelps Sr). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 4.33), pipe referenced as 8 feet below the crown]. FS Date: 10/29/2013					

Photo 1 of 3 : UCIP_FA_2019_24893_44858.jpg



WS view: pipes, pumps, walkway to pump, and pile structure in the stream.

LM Start	4.29	Rating **	M	Issue No.	154 (cont)
LM End	4.29	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_24893_44857.jpg



WS view: pumps, walkway to pump, and pile structure in the stream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	4.29	Rating **	M	Issue No.	154 (cont)
LM End	4.29	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.825071 °	37.825071 °
				-121.314932 °	-121.314932 °
DWR ID	22660				
Comment Code					
Inspector Comment					
DS_ID:22660 FS_ID:24893 EP_NO: 11536 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - siphon breaker was removed from CMP riser on landside shoulder. Needs replacement.- some details about existing pipes available in new Application no. 18903.- electric control box on landside and conduit on waterside. FIELD_STRUCT_DESC: 1 of 3: 12-inch coated steel irrigation discharge pipe through the levee, 3 feet below the crown. Pump on a pumping platform in the river with a walkway from the waterside (WS) slope. Siphon breaker in a corrugated metal pipe (CMP) riser and a concrete standpipe on the landside (LS). (Plans to install a platform and two irrigation pumps with two irrigation pipes and a drainage pipe through the levee, replacing an existing pump and irrigation pipe, authorized under Permit No. 11536, 1976 - Lloyd L. Phelps Sr). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 4.33), pipe referenced as 8 feet below the crown]. FS Date: 10/29/2013					

Photo 3 of 3 : UCIP_FA_2019_24893_44856.jpg



LS view: CMP riser (top- for 12" pipe), CMP riser (bottom- for 16" pipe), and capped steel pipe (left)

LM Start	4.30	Rating **	M	Issue No.	59
LM End	4.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.824943 °	37.824943 °
				-121.315008 °	-121.315008 °
DWR ID	DWR_RD0544_01_s_2012_59				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	4.49	Rating **	U	Issue No.	41
LM End	4.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.822934 °	37.822934 °	
			-121.316870 °	-121.316870 °	
DWR ID	DWR_RD0544_01_s_2012_41				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	4.64	Rating **	U	Issue No.	104
LM End	4.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.822033 °	37.821826 °	
			-121.319432 °	-121.320071 °	
DWR ID	DWR_RD0544_01_f_2014_104				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Dense untrimmed trees are on the landside slope. Pic updated					

Photo 1 of 2 : FA_2019_RD0544_108_104_20191117_00164.jpg



View of untrimmed trees on landside slope. Fall 2019

LM Start	4.64	Rating **	U	Issue No.	104 (cont)
LM End	4.68	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_RD0544_108_104_20190830_00058.jpg



Looking southwest at dense untrimmed trees on landward slope fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	4.68	Rating **	U	Issue No.	27
LM End	4.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.821847 °	37.821793 °
				-121.320027 °	-121.320188 °
DWR ID	DWR_RD0544_01_s_2012_27				
Comment Code					
GA : Garbage					
Inspector Comment					
Tires are stockpiled on the landside toe.					

Photo 1 of 1 : FA_2019_RD0544_108_27_20190830_00015.jpg



Looking west at tires stock pile on landward berm.

LM Start	4.71	Rating **	C	Issue No.	29
LM End	4.71	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.821626 °	37.821626 °
				-121.320471 °	-121.320471 °
DWR ID	DWR_RD0544_01_s_2012_29				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
District has employed a rodent control program and grouted holes.					

No Photos

LM Start	4.71	Rating **	M	Issue No.	26
LM End	4.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.821592 °	37.821253 °
				-121.320617 °	-121.320927 °
DWR ID	DWR_RD0544_01_s_2012_26				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	4.75	Rating **	M	Issue No.	45
LM End	4.75	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.821177°	37.821177°	
			-121.321013°	-121.321013°	
DWR ID	DWR_RD0544_01_s_2012_45				
Comment Code					
BU : Building					
Inspector Comment					
An unauthorized pump shed is on the landside toe.					

Photo 1 of 1 : FA_2019_RD0544_108_45_20190830_00025.jpg



Looking west at a unauthorized pump house on landside toe.

LM Start	4.75	Rating **	U	Issue No.	84
LM End	4.75	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.821159°	37.821159°	
			-121.320989°	-121.320989°	
DWR ID	DWR_RD0544_01_s_2019_84				
Comment Code					
PI : Pipe					
Inspector Comment					
An unpermitted 6" flexible water line/hose is extending from the landside over the crown to the waterside slope. There is an open trench on the waterside slope, up to 24" deep. A field investigation report will be completed. Follow up with the District and CVFPB.					

Photo 1 of 3 : FA_2019_RD0544_108_84_20190830_00045.jpg



View of 6 inch water line and open trench on waterside slope. (Spring 2019)

LM Start	4.75	Rating **	U	Issue No.	84 (cont)
LM End	4.75	Issue Type +	En	Location *	WS

Photo 2 of 3 : FA_2019_RD0544_108_84_20190830_00046.jpg



View of 6 inch water line crossing the levee crown. (Spring 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	4.75	Rating **	U	Issue No.	84 (cont)
LM End	4.75	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.821159 °	37.821159 °
				-121.320989 °	-121.320989 °
DWR ID	DWR_RD0544_01_s_2019_84				
Comment Code					
PI : Pipe					
Inspector Comment					
An unpermitted 6" flexible water line/hose is extending from the landside over the crown to the waterside slope. There is an open trench on the waterside slope, up to 24" deep. A field investigation report will be completed. Follow up with the District and CVFPB.					

Photo 3 of 3 : FA_2019_RD0544_108_84_20190830_00047.jpg



View of 6 inch water line on landside slope. (Spring 2019)

LM Start	4.75	Rating **	U	Issue No.	155
LM End	4.75	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.821153 °	37.821153 °
				-121.320995 °	-121.320995 °
DWR ID	22661				
Comment Code					
Inspector Comment					
DS_ID:22661 FS_ID:53364 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/2/2018 Same as last inspection; LS slope shows both signs of erosion and a hole above the pipe so crossing remains Urgent (D. Sanoski - DWR UCIP).12/22/2016: LS slope still eroded and in need of repair. WS slope shows no signs of problems. (K. Fazel - UCIP)10/31/2013:- huge erosion on landside slope due to leaky pipe.- small depression on waterside slope. (P. Amatya - DWR) FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 4.4 feet below the crown. Pump house on the landside (LS) slope. Newly installed pump with a shutoff valve on the waterside (WS) slope. Pressure relief valve on the LS slope. Concrete distribution box with a shutoff valve on the pipe at the LS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 4.79), 14-inch pipe, 12 feet below the crown, referenced]. FS Date: 10/2/2018 3:22:00 PM					

Photo 1 of 3 : UCIP_FA_2019_53364_44864.jpg



WS view: exposed steel pipe on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	4.75	Rating **	U	Issue No.	155 (cont)
LM End	4.75	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.821153°	37.821153°
				-121.320995°	-121.320995°
DWR ID	22661				
Comment Code					
Inspector Comment					
DS_ID:22661 FS_ID:53364 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/2/2018 Same as last inspection; LS slope shows both signs of erosion and a hole above the pipe so crossing remains Urgent (D. Sanoski - DWR UCIP).12/22/2016: LS slope still eroded and in need of repair. WS slope shows no signs of problems. (K. Fazel - UCIP)10/31/2013:- huge erosion on landside slope due to leaky pipe.- small depression on waterside slope. (P. Amatya - DWR) FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 4.4 feet below the crown. Pump house on the landside (LS) slope. Newly installed pump with a shutoff valve on the waterside (WS) slope. Pressure relief valve on the LS slope. Concrete distribution box with a shutoff valve on the pipe at the LS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 4.79), 14-inch pipe, 12 feet below the crown, referenced]. FS Date: 10/2/2018 3:22:00 PM					

Photo 2 of 3 : UCIP_FA_2019_53364_44863.jpg



WS view: exposed steel pipe and a small depression on levee slope. May be due to leaky pipe.

LM Start	4.75	Rating **	U	Issue No.	155 (cont)
LM End	4.75	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_53364_44862.jpg



LS view: distribution box (top-left), pumphouse (right) and exposed leaky pipe on eroded levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	4.78	Rating **	M	Issue No.	156 (cont)
LM End	4.78	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.820691°	37.820691°
				-121.321159°	-121.321159°
DWR ID	22662				
Comment Code					
Inspector Comment					
DS_ID:22662 FS_ID:42962 EP_NO: 1738 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. No handle on gatevalve on WS slope. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 6 feet below the crown. Slant pump and gate valve on the waterside (WS) slope. Electrical conduit through the levee and on the landside (LS). Service pole on the LS. Two concrete standpipes on the LS. (Plans for the construction of a pipeline through the levee authorized under Permit No. 1738, 1953 - Barker Corporation). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 4.82)]. FS Date: 10/31/2013					

Photo 3 of 3 : UCIP_FA_2019_42962_42875.jpg



LS view: two concrete standpipes and abandoned pump on levee slope.

LM Start	4.80	Rating **	U	Issue No.	28
LM End	4.80	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.820412°	37.820412°
				-121.321193°	-121.321193°
DWR ID	DWR_RD0544_01_s_2017_28				
Comment Code					
PI : Pipe					
Inspector Comment					
A pipe was installed near the surface of the crown. Pipe is not connected on either side.					

Photo 1 of 1 : FA_2019_RD0544_108_28_20190830_00016.jpg



Looking south at pipe across levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	4.86	Rating **	U	Issue No.	94
LM End	4.86	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.819694 °	37.819694 °	
			-121.320786 °	-121.320786 °	
DWR ID	DWR_RD0544_01_s_2019_94				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove cactus from the landside slope.					

Photo 1 of 1 : FA_2019_RD0544_108_94_20190830_00055.jpg



View of cactus on landside slope. (Spring 2019)

LM Start	4.97	Rating **	A/W	Issue No.	139
LM End	4.99	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.818600 °	37.818400 °	
			-121.319200 °	-121.319000 °	
DWR ID	LMA-465				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments Description:Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage. Site ID No:559 Site Designation:LMA-465 Repair Type: Erosion Rating:Serious Field Date:8/11/2017 Notes:</p>					

Photo 1 of 3 : LEVAL_FA_2019_559_4887.jpg



<p>* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	4.97	Rating **	A/W	Issue No.	139 (cont)
LM End	4.99	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.818600 °	37.818400 °	
			-121.319200 °	-121.319000 °	
DWR ID	LMA-465				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage.					
Site ID No:559					
Site Designation:LMA-465					
Repair Type: Erosion					
Rating:Serious					
Field Date:8/11/2017					
Notes:					

Photo 2 of 3 : LEVAL_FA_2019_559_4892.jpg



LM Start	4.97	Rating **	A/W	Issue No.	139 (cont)
LM End	4.99	Issue Type +	Ma	Location *	

Photo 3 of 3 : LEVAL_FA_2019_559_4894.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	5.07	Rating **	M	Issue No.	32
LM End	5.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.817291 °	37.817291 °	
			-121.319399 °	-121.319399 °	
DWR ID	DWR_RD0544_01_f_2017_32				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	5.32	Rating **	A/W	Issue No.	140
LM End	5.36	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.813900 °	37.813500 °	
			-121.319900 °	-121.319400 °	
DWR ID	LMA-464				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage.					
Site ID No:558					
Site Designation:LMA-464					
Repair Type: Erosion					
Rating:Serious					
Field Date:8/16/2017					
Notes:					

Photo 1 of 3 : LEVAL_FA_2019_558_4900.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	5.32	Rating **	A/W	Issue No.	140 (cont)
LM End	5.36	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.813900°	37.813500°	
			-121.319900°	-121.319400°	
DWR ID	LMA-464				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments</p> <p>Description:Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage.</p> <p>Site ID No:558 Site Designation:LMA-464 Repair Type: Erosion Rating:Serious Field Date:8/16/2017 Notes:</p>					

Photo 2 of 3 : LEVAL_FA_2019_558_4904.jpg



LM Start	5.32	Rating **	A/W	Issue No.	140 (cont)
LM End	5.36	Issue Type +	Ma	Location *	

Photo 3 of 3 : LEVAL_FA_2019_558_4910.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	5.36	Rating **	A/W	Issue No.	141
LM End	5.37	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.813400 °	37.813300 °	
			-121.319300 °	-121.319200 °	
DWR ID	LMA-463				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments</p> <p>Description: Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage.</p> <p>Site ID No:557 Site Designation:LMA-463 Repair Type: Erosion Rating:Area of Concern Field Date:8/16/2017 Notes:</p>					

Photo 1 of 3 : LEVAL_FA_2019_557_4510.jpg



LM Start	5.36	Rating **	A/W	Issue No.	141 (cont)
LM End	5.37	Issue Type +	Ma	Location *	

Photo 2 of 3 : LEVAL_FA_2019_557_4513.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	5.36	Rating **	A/W	Issue No.	141 (cont)
LM End	5.37	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.813400 °	37.813300 °
				-121.319300 °	-121.319200 °
DWR ID	LMA-463				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage. Site ID No: 557 Site Designation: LMA-463 Repair Type: Erosion Rating: Area of Concern Field Date: 8/16/2017 Notes:					

Photo 3 of 3 : LEVAL_FA_2019_557_4514.jpg



LM Start	5.49	Rating **	U	Issue No.	18
LM End	5.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.812033 °	37.811687 °
				-121.319737 °	-121.320677 °
DWR ID	DWR_RD0544_01_s_2012_18				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	5.56	Rating **	A/W	Issue No.	142
LM End		Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.811830 °	
				-121.320980 °	
DWR ID	189-4				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:95					
Site Designation:189-4					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

LM Start	5.60	Rating **	M	Issue No.	73
LM End	5.60	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.811323 °	37.811323 °
				-121.321554 °	-121.321554 °
DWR ID	DWR_RD0544_01_f_2019_73				
Comment Code					
AV : Abandoned vehicles					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0544_108_73_20191117_00160.jpg



View of abandoned vehicle on waterside easement. Fall 2019

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	5.64	Rating **	N	Issue No.	40
LM End	5.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.811199°	37.811199°
				-121.322176°	-121.322176°
DWR ID	DWR_RD0544_01_s_2012_40				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	5.71	Rating **	M	Issue No.	157
LM End	5.71	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.811193°	37.811193°
				-121.323532°	-121.323532°
DWR ID	22664				
Comment Code					
Inspector Comment					
DS_ID:22664 FS_ID:53365 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/2/2018 Pump on LS slope has been replaced and the erosion repaired; down-grading to Non-Urgent (D. Sanoski - DWR UCIP).12/22/2016: LS slope just above pipe is eroded with a giant pit exposing the electrical conduit. Crossing has been upgraded from Non-Urgent to Urgent. (K. Fazel - UCIP)10/31/2013:- 2-inch electric conduit on waterside- service pole on landside.- needs a cover on pressure relief valve. (P. Amatya - DWR) FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 5.3 feet below the crown. Pump mounted on a pile structure in the river. Steel walkway to the pump. Pressure relief valve in a butterfly configuration at the apex of the pipe on the landside (LS). Two 36-inch concrete standpipes at the LS toe. Electrical conduit through the levee. Power pole at the LS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.77)]. FS Date: 10/2/2018 4:02:00 PM					

Photo 1 of 3 : UCIP_FA_2019_53365_42872.jpg



WS view: pump on pile structure, walkway to the pump on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	09/25/2019 09/25/2019	Alberto De Leon

LM Start	5.71	Rating **	M	Issue No.	157 (cont)
LM End	5.71	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.811193°	37.811193°	
			-121.323532°	-121.323532°	
DWR ID	22664				
Comment Code					
Inspector Comment					
DS_ID:22664 FS_ID:53365 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/2/2018 Pump on LS slope has been replaced and the erosion repaired; down-grading to Non-Urgent (D. Sanoski - DWR UCIP). 12/22/2016: LS slope just above pipe is eroded with a giant pit exposing the electrical conduit. Crossing has been upgraded from Non-Urgent to Urgent. (K. Fazel - UCIP)10/31/2013:- 2-inch electric conduit on waterside- service pole on landside.- needs a cover on pressure relief valve. (P. Amatya - DWR) FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 5.3 feet below the crown. Pump mounted on a pile structure in the river. Steel walkway to the pump. Pressure relief valve in a butterfly configuration at the apex of the pipe on the landside (LS). Two 36-inch concrete standpipes at the LS toe. Electrical conduit through the levee. Power pole at the LS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 5.77)]. FS Date: 10/2/2018 4:02:00 PM					

Photo 2 of 3 : UCIP_FA_2019_53365_42871.jpg



WS view: pump on pile structure in the stream. Oil leaking pump.

LM Start	5.71	Rating **	M	Issue No.	157 (cont)
LM End	5.71	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_53365_42870.jpg



LS view: exposed pipe and pressure valve on levee slope. Two concrete standpipes on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles
Unit No. 02 Old River	Right	4.15

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	5/9/2019 - 5/16/2019		9/25/2019 - 9/25/2019	
DWR Inspector	Alberto De Leon		Alberto De Leon	
Accompanied By	Jerry Robinson		Jerry Robinson	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	0.04	Rating **	A/W	Issue No.	35
LM End	0.25	Issue Type +	Ob	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.808820 °	37.808660 °	
			-121.328850 °	-121.332460 °	
DWR ID	334-102				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:97 Site Designation:334-102 Repair Type: Seepage Rating: Field Date: Notes:					

No Photos

LM Start	0.08	Rating **	U	Issue No.	2
LM End	3.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.808474 °	37.821761 °	
			-121.329682 °	-121.371200 °	
DWR ID	DWR_RD0544_02_s_2018_2				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0544_109_2_20190830_00002.jpg



View of vegetation on waterside slope. (Spring 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	0.21	Rating **	A/W	Issue No.	37 (cont)
LM End	0.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.808300 °	37.808400 °
				-121.332000 °	-121.332200 °
DWR ID	LMA-462				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage. Site ID No: 556 Site Designation: LMA-462 Repair Type: Erosion Rating: Area of Concern Field Date: 8/16/2017 Notes:					

Photo 3 of 3 : LEVAL_FA_2019_556_4522.jpg



LM Start	0.26	Rating **	A/W	Issue No.	45
LM End	0.42	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.808720 °	37.810060 °
				-121.332660 °	-121.334700 °
DWR ID	334-100				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No: 96 Site Designation: 334-100 Repair Type: Seepage Rating: Field Date: Notes:					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	0.40	Rating **	M	Issue No.	4
LM End	0.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.809788°	37.809788°	
			-121.334727°	-121.334727°	
DWR ID	DWR_RD0544_02_s_2012_4				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	0.43	Rating **	U	Issue No.	24
LM End	1.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.810250°	37.819452°	
			-121.334933°	-121.333755°	
DWR ID	DWR_RD0544_02_f_2019_24				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0544_109_24_20191117_00111.jpg



Typical view of vegetation on landside slope. Fall 2019

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	0.64	Rating **	U	Issue No.	27
LM End	0.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.813307°	37.813307°
				-121.335135°	-121.335135°
DWR ID	DWR_RD0544_02_f_2018_27				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 2 : FA_2019_RD0544_109_27_20190830_00016.jpg



Looking southeast at tree limbs on waterward shoulder. (Fall 2018)

LM Start	0.64	Rating **	U	Issue No.	27 (cont)
LM End	0.64	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2019_RD0544_109_27_20190830_00017.jpg



Looking east at tree bank on waterside slope. (Fall 2018)

LM Start	0.71	Rating **	M	Issue No.	98
LM End	0.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.814267°	37.814267°
				-121.334627°	-121.334627°
DWR ID	DWR_RD0544_02_f_2017_98				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	0.72	Rating **	U	Issue No.	5
LM End	0.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.814333°	37.814333°	
			-121.334592°	-121.334592°	
DWR ID	DWR_RD0544_02_s_2012_5				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	0.72	Rating **	A/W	Issue No.	81
LM End	0.76	Issue Type +	Ob	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.814200°	37.814710°	
			-121.334270°	-121.333830°	
DWR ID	334-106				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:91					
Site Designation:334-106					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	0.78	Rating **	U	Issue No.	103 (cont)
LM End	0.78	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.815098 °	37.815098 °
				-121.333903 °	-121.333903 °
DWR ID	22665				
Comment Code					
Inspector Comment					
DS_ID:22665 FS_ID:53366 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/2/2018 Same as last inspection; overgrown vegetation did not allow for visual inspection on LS so remains Urgent due to concern of erosion on WS (D. Sanoski - DWR UCIP).12/22/2016: Same as last inspection. Suspect siphon breaker is leaking due to depression around it. Two giant rodent holes through WS slope at siphon breaker. Siphon breaker is silted in. (K. Fazel - UCIP)10/31/2013:- 8 ft X 7 ft X 4 ft depression around siphon breaker on waterside slope.- no pipe visible on waterside due to dense vegetation.- electric conduit and service pole on landside. (P. Amatya - DWR) FIELD_STRUCT_DESC: 12-inch steel drainage discharge pipe through the levee, 4 feet below the crown. Pump in a drainage ditch off the landside (LS) toe. Siphon breaker on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 10/2/2018 4:06:00 PM					

Photo 3 of 3 : UCIP_FA_2019_53366_44880.jpg



LS view: pump on timber support in drainage ditch. About 150 ft from levee center.

LM Start	1.01	Rating **	M	Issue No.	6
LM End	1.01	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.818100 °	37.818100 °
				-121.332750 °	-121.332750 °
DWR ID	DWR_RD0544_02_s_2012_6				
Comment Code					
GA : Garbage					
Inspector Comment					
Wood catwalk on waterside slope needs to be removed.					

Photo 1 of 1 : FA_2019_RD0544_109_6_20190830_00003.jpg



Looking southeast at garbage on waterside shoulder and slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.01	Rating **	A/W	Issue No.	82 (cont)
LM End	1.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.818100°	37.818200°
				-121.332800°	-121.332800°
DWR ID	LMA-458				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description: Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage.					
Site ID No: 552					
Site Designation: LMA-458					
Repair Type: Erosion					
Rating: Area of Concern					
Field Date: 8/16/2017					
Notes:					

Photo 3 of 3 : LEVAL_FA_2019_552_4813.jpg



LM Start	1.11	Rating **	M	Issue No.	18
LM End	1.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.819374°	37.820235°
				-121.333726°	-121.335268°
DWR ID	DWR_RD0544_02_s_2012_18				
Comment Code					
AV : Abandoned vehicles					
Inspector Comment					
Vehicles and farm equipment stored on landside for several years. Levee crown is an oversized width.					

Photo 1 of 1 : FA_2019_RD0544_109_18_20190830_00009.jpg



Looking southwest at farm equipment stored on landward landing. (spring 2016)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.12	Rating **	M	Issue No.	20
LM End	1.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.819530 °	37.819530 °
				-121.333827 °	-121.333827 °
DWR ID	DWR_RD0544_02_s_2012_20				
Comment Code					
PR : Prunings					
Inspector Comment					
Landowner is stock piling prunings on landside slope and toe.					

Photo 1 of 1 : FA_2019_RD0544_109_20_20190830_00010.jpg



Looking southwest at pruning piles on landward slope.

LM Start	1.13	Rating **	U	Issue No.	25
LM End	1.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.819560 °	37.820247 °
				-121.333893 °	-121.335337 °
DWR ID	DWR_RD0544_02_s_2012_25				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 2 : FA_2019_RD0544_109_25_20190830_00013.jpg



LM Start	1.13	Rating **	U	Issue No.	25 (cont)
LM End	1.22	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2019_RD0544_109_25_20190830_00014.jpg



Looking south at farm equipment stored on landward shoulder and slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.29	Rating **	U	Issue No.	102
LM End	1.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.820668 °	37.822239 °
				-121.336491 °	-121.340589 °
DWR ID	DWR_RD0544_02_f_2017_102				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0544_109_102_20190830_00080.jpg



Looking northwest at the landside slope.

LM Start	1.34	Rating **	M	Issue No.	56
LM End	1.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.821168 °	37.822083 °
				-121.337212 °	-121.338862 °
DWR ID	DWR_RD0544_02_s_2015_56				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.38	Rating **	M	Issue No.	104 (cont)
LM End	1.38	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.821380°	37.821380°
				-121.337835°	-121.337835°
DWR ID	22668				
Comment Code					
Inspector Comment					
DS_ID:22668 FS_ID:46674 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - slope erosion on landside. FIELD_STRUCT_DESC: 8-inch pipe of an unknown material or purpose through the levee, 3.5 feet below the crown. Pipe open on both ends, 1991. Steel pipe riser on the landside (LS), but not sure whether it is connected to the pipe. [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 10/31/2013					

Photo 3 of 3 : UCIP_FA_2019_46674_44888.jpg



LS view: steel pipe riser off the levee toe.

LM Start	1.38	Rating **	U	Issue No.	10
LM End	1.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.821423°	37.821423°
				-121.337878°	-121.337878°
DWR ID	DWR_RD0544_02_s_2012_10				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Dense elderberry on landside slope and toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.39	Rating **	A/W	Issue No.	83
LM End	1.41	Issue Type +	Ob	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.821440°	37.821620°	
			-121.337950°	-121.338250°	
DWR ID	334-23				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:88					
Site Designation:334-23					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

LM Start	1.40	Rating **	C	Issue No.	22
LM End	1.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.821518°	37.821697°	
			-121.338092°	-121.338397°	
DWR ID	DWR_RD0544_02_s_2012_22				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Damage caused by vehicle traffic.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.40	Rating **	C	Issue No.	26
LM End	1.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.821577°	37.821577°
				-121.338211°	-121.338211°
DWR ID	DWR_RD0544_02_s_2019_26				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	1.44	Rating **	M	Issue No.	28
LM End	1.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.821954°	37.821954°
				-121.338715°	-121.338715°
DWR ID	DWR_RD0544_02_s_2012_28				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.51	Rating **	M	Issue No.	105
LM End	1.51	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.822415°	37.822415°	
			-121.339699°	-121.339699°	
DWR ID	22669				
Comment Code					
Inspector Comment					
DS_ID:22669 FS_ID:24288 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - two pumps with 16" steel pipe and an abandoned pump with 10" pipe inside pump house.- CMP riser cover needs repair. - electric conduits on waterside and power pole on landside. FIELD_STRUCT_DESC: 24-inch steel irrigation discharge pipe through the levee, 14 feet below the crown. Pump in a pump house on the waterside (WS) berm. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Two corrugated metal cutoff walls. Distribution box and power pole at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 1.53)]. FS Date: 10/31/2013					

Photo 1 of 3 : UCIP_FA_2019_24288_42947.jpg



WS view: slide gate in CMP riser, walkway, and pumphouse on levee slope.

LM Start	1.51	Rating **	M	Issue No.	105 (cont)
LM End	1.51	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_24288_42946.jpg



WS view: two pumps discharges water into CMP riser on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.51	Rating **	M	Issue No.	105 (cont)
LM End	1.51	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.822415°	37.822415°
				-121.339699°	-121.339699°
DWR ID	22669				
Comment Code					
Inspector Comment					
DS_ID:22669 FS_ID:24288 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - two pumps with 16" steel pipe and an abandoned pump with 10" pipe inside pump house.- CMP riser cover needs repair. - electric conduits on waterside and power pole on landside. FIELD_STRUCT_DESC: 24-inch steel irrigation discharge pipe through the levee, 14 feet below the crown. Pump in a pump house on the waterside (WS) berm. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Two corrugated metal cutoff walls. Distribution box and power pole at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 1.53)]. FS Date: 10/31/2013					

Photo 3 of 3 : UCIP_FA_2019_24288_42945.jpg



WS view: abandoned 10" steel pipe daylights on levee slope.

LM Start	1.52	Rating **	M	Issue No.	106
LM End	1.52	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.822445°	37.822445°
				-121.339910°	-121.339910°
DWR ID	24716				
Comment Code					
Inspector Comment					
DS_ID:24716 FS_ID:24907 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No pipe and appurtenances found on waterside. Looks abandoned. FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel drainage discharge pipe through the levee, at an unknown depth. Pump house at the landside (LS) toe. Air vent in a corrugated metal pipe (CMP) riser on the LS shoulder. Outlet on the waterside (WS) not visible. No positive closure device. Appears abandoned. FS Date: 10/31/2013					

Photo 1 of 3 : UCIP_FA_2019_24907_44895.jpg



LS view: pipe, pump house, and appurtenances on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.52	Rating **	M	Issue No.	106 (cont)
LM End	1.52	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.822445°	37.822445°
				-121.339910°	-121.339910°
DWR ID	24716				
Comment Code					
Inspector Comment					
DS_ID:24716 FS_ID:24907 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No pipe and appurtenances found on waterside. Looks abandoned. FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel drainage discharge pipe through the levee, at an unknown depth. Pump house at the landside (LS) toe. Air vent in a corrugated metal pipe (CMP) riser on the LS shoulder. Outlet on the waterside (WS) not visible. No positive closure device. Appears abandoned. FS Date: 10/31/2013					

Photo 2 of 3 : UCIP_FA_2019_24907_44894.jpg



LS view: pipe daylights on levee slope.

LM Start	1.52	Rating **	M	Issue No.	106 (cont)
LM End	1.52	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_24907_44893.jpg



WS view: air vent on CMP riser on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.72	Rating **	A/W	Issue No.	84
LM End		Issue Type +	Ob	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.820010 °		
			-121.341520 °		
DWR ID	334-FOC-14				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:89 Site Designation:334-FOC-14 Repair Type: Seepage Rating: Field Date: Notes:					

No Photos

LM Start	1.77	Rating **	A/W	Issue No.	85
LM End	1.90	Issue Type +	Ob	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.819290 °	37.817590 °	
			-121.341460 °	-121.341960 °	
DWR ID	334-FOC-15				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:99 Site Designation:334-FOC-15 Repair Type: Seepage Rating: Field Date: Notes:					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.85	Rating **	A/W	Issue No.	86
LM End		Issue Type +	Ob	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.818240 °		
			-121.341930 °		
DWR ID	334-19				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:90 Site Designation:334-19 Repair Type: Seepage Rating: Field Date: Notes:					

No Photos

LM Start	1.90	Rating **	U	Issue No.	31
LM End	1.94	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.817582 °	37.817994 °	
			-121.342125 °	-121.342500 °	
DWR ID	DWR_RD0544_02_f_2018_31				
Comment Code					
PR : Prunings					
Inspector Comment					
Large pruning pile at landward toe.					

Photo 1 of 2 : FA_2019_RD0544_109_31_20190830_00018.jpg



Looking south at large pruning pile at landward toe. (Fall 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	1.90	Rating **	U	Issue No.	31 (cont)
LM End	1.94	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.817582°	37.817994°
				-121.342125°	-121.342500°
DWR ID	DWR_RD0544_02_f_2018_31				
Comment Code					
PR : Prunings					
Inspector Comment					
Large pruning pile at landward toe.					

Photo 2 of 2 : FA_2019_RD0544_109_31_20190830_00019.jpg



Looking northwest at large pruning pile at landward toe. (Fall 2018)

LM Start	1.91	Rating **	A/W	Issue No.	34
LM End	1.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.817658°	37.817658°
				-121.342097°	-121.342097°
DWR ID	DWR_RD0544_02_f_2018_34				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Erosion is caused by foot traffic.					

Photo 1 of 1 : FA_2019_RD0544_109_34_20190830_00021.jpg



Looking east at foot erosion on waterward slope. (Fall 2018)

LM Start	2.02	Rating **	U	Issue No.	58
LM End	2.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.818853°	37.819493°
				-121.343473°	-121.344545°
DWR ID	DWR_RD0544_02_s_2015_58				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There are several rodent holes within this reach on the landside slope.					

Photo 1 of 1 : FA_2019_RD0544_109_58_20190830_00031.jpg



Looking at typical rodent holes on landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	Issue Type N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.07	Rating **	U	Issue No.	13
LM End	2.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.819337°	37.819460°	
			-121.344275°	-121.344492°	
DWR ID	DWR_RD0544_02_s_2012_13				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	2.17	Rating **	A/W	Issue No.	87
LM End	2.18	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.820300°	37.820300°	
			-121.345600°	-121.345700°	
DWR ID	LMA-457				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage.					
Site ID No:551					
Site Designation:LMA-457					
Repair Type: Erosion					
Rating:Serious					
Field Date:8/18/2017					
Notes:					

Photo 1 of 3 : LEVAL_FA_2019_551_4817.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.17	Rating **	A/W	Issue No.	87 (cont)
LM End	2.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.820300°	37.820300°
				-121.345600°	-121.345700°
DWR ID	LMA-457				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage. Site ID No: 551 Site Designation: LMA-457 Repair Type: Erosion Rating: Serious Field Date: 8/18/2017 Notes:					

Photo 2 of 3 : LEVAL_FA_2019_551_4818.jpg



LM Start	2.17	Rating **	A/W	Issue No.	87 (cont)
LM End	2.18	Issue Type +	Ma	Location *	

Photo 3 of 3 : LEVAL_FA_2019_551_4824.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.21	Rating **	M	Issue No.	32
LM End	2.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.820697°	37.820697°
				-121.346050°	-121.346050°
DWR ID	DWR_RD0544_02_s_2012_32				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.21	Rating **	M	Issue No.	107
LM End	2.21	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.820694°	37.820694°
				-121.346067°	-121.346067°
DWR ID	22675				
Comment Code					
Inspector Comment					
DS_ID:22675 FS_ID:41731 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - soil erosion on landside slope.- new pump and pipe (according to the owner- three months old)- electric conduit through levee, service pole on landside. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe and electrical conduit through the levee, 3 feet below the crown. Pump on a pile structure in the stream. Pressure breaker on the landside (LS) slope. Pipe exposed on both slopes and on the berm. [Additional Reference(s): DWR Levee Log, 2005, 12-inch pipe referenced. USACE San Joaquin O&M Manual 7, April 1964, (HLM 2.25), 12-inch pipe referenced]. FS Date: 10/31/2013					

Photo 1 of 3 : UCIP_FA_2019_41731_42954.jpg



WS view: pipe, walkway, and pump on pile structure.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.24	Rating **	M	Issue No.	33
LM End	2.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.821096°	37.821945°
				-121.346418°	-121.347897°
DWR ID	DWR_RD0544_02_s_2012_33				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.29	Rating **	M	Issue No.	108
LM End	2.29	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.821628°	37.821628°
				-121.347016°	-121.347016°
DWR ID	22676				
Comment Code					
Inspector Comment					
DS_ID:22676 FS_ID:24293 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump not found on the landward side. FIELD_STRUCT_DESC: 10-inch steel drainage discharge pipe through the levee, 3 feet below the crown. Pump on the landside (LS). No flap gate on the waterside (WS) end. Air vent on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 2.33)]. FS Date: 10/31/2013					

Photo 1 of 3 : UCIP_FA_2019_24293_42965.jpg



WS view: exposed steel pipe on berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.41	Rating **	U	Issue No.	73
LM End	2.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.821423°	37.819153°
				-121.348849°	-121.350231°
DWR ID	DWR_RD0544_02_f_2017_73				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0544_109_73_20190830_00042.jpg



Looking southwest at the landside slope.

LM Start	2.43	Rating **	U	Issue No.	36
LM End	2.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.821146°	37.820286°
				-121.348992°	-121.349462°
DWR ID	DWR_RD0544_02_s_2019_36				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : FA_2019_RD0544_109_36_20190830_00022.jpg



View of animal burrow on landside slope. (Spring 2019)

LM Start	2.43	Rating **	U	Issue No.	36 (cont)
LM End	2.50	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_RD0544_109_36_20190830_00023.jpg



View of landside slope with multiple animal burrows. (Spring 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.57	Rating **	C	Issue No.	11
LM End	2.57	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.818861 °	37.818861 °	
			-121.350400 °	-121.350400 °	
DWR ID	RD0544U02RM33				
Comment Code					
Inspector Comment					
Site ID: RD0544U02RM33 10/30/2019: No new erosion was found at the repaired site. 09/13/2017: This erosion site has been repaired. 07/25/2016: No significant change observed. 06/25/2015: The site was discovered during the boat survey. Irrigation pipe leakage caused the soil to sink at the upper levee shoulder. The lower part of the levee is protected by riprap rocks. The irrigation pump was operating at the site.					

No Photos

LM Start	2.61	Rating **	M	Issue No.	109
LM End	2.61	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		37.818888 °	37.818888 °	
			-121.350390 °	-121.350390 °	
DWR ID	22678				
Comment Code					
Inspector Comment					
DS_ID:22678 FS_ID:51381 EP_NO: 8625A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - abandoned crossing. Needs proper abandonment.- pump removed. Pipe discontinued on landside.- pile structure in dilapalated condion. FIELD_STRUCT_DESC: 16-inch coated steel irrigation discharge pipe through the levee, 7 feet below the crown. Pump mounted on a pile structure in the stream. Siphon breaker on the landside (LS) shoulder. Power pole on the LS slope. (Retention of an existing 16-inch irrigation pipe and pump through the levee authorized under Permit No. 8625-A, 1973 - Irvin Muller). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 7, April 1964, (HLM 2.65), referenced as 10 feet below the crown]. FS Date: 10/31/2013					

Photo 1 of 3 : UCIP_FA_2019_51381_42972.jpg



WS view: dilapalated walkway and pile structure. Pump removed.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.61	Rating **	M	Issue No.	110
LM End	2.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.818860°	37.818860°
				-121.350428°	-121.350428°
DWR ID	24718				
Comment Code					
Inspector Comment					
DS_ID:24718 FS_ID:53173 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/2/2018 Same as last inspection; downgrading to Non-Urgent due to no visual pipe or levee integrity threat (D. Sanoski - DWR UCIP). 12/22/2016: Pipe is open on both ends and requires either proper abandonment or flap gate and closure device. Crossing has been upgraded from Non-Urgent to Urgent. (K. Fazel - UCIP) 10/31/2013:- needs proper abandonment or closer of pipe end. (P. Amatya - DWR) FIELD_STRUCT_DESC: 14-inch steel pipe of an unknown purpose through the levee, 2 feet below the crown. Pipe open on both ends. 1-inch open conduit also at this location. This crossing was field discovered. FS Date: 10/2/2018 4:13:47 PM					

Photo 1 of 3 : UCIP_FA_2019_53173_42977.jpg



WS view: steel pipe and electric conduit on levee shoulder.

LM Start	2.61	Rating **	M	Issue No.	110 (cont)
LM End	2.61	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_53173_42976.jpg



LS view: steel pipe and electric conduit on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.61	Rating **	M	Issue No.	110 (cont)
LM End	2.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.818860 °	37.818860 °
				-121.350428 °	-121.350428 °
DWR ID	24718				
Comment Code					
Inspector Comment					
DS_ID:24718 FS_ID:53173 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/2/2018 Same as last inspection; downgrading to Non-Urgent due to no visual pipe or levee integrity threat (D. Sanoski - DWR UCIP).12/22/2016: Pipe is open on both ends and requires either proper abandonment or flap gate and closure device. Crossing has been upgraded from Non-Urgent to Urgent. (K. Fazel - UCIP)10/31/2013:- needs proper abandonment or closer of pipe end. (P. Amatya - DWR) FIELD_STRUCT_DESC: 14-inch steel pipe of an unknown purpose through the levee, 2 feet below the crown. Pipe open on both ends. 1-inch open conduit also at this location. This crossing was field discovered. FS Date: 10/2/2018 4:13:47 PM					

Photo 3 of 3 : UCIP_FA_2019_53173_76632.jpg



WS view

LM Start	2.61	Rating **	C	Issue No.	69
LM End	2.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.818806 °	37.818806 °
				-121.350437 °	-121.350437 °
DWR ID	DWR_RD0544_02_f_2016_69				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion greater than 1' deep and greater than 3' wide. Owner backfilled erosion with rock 3/4 filled. Still need to backfill the remaining erosion.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.65	Rating **	M	Issue No.	1
LM End	2.67	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.817905°	37.817905°	
			-121.351102°	-121.351102°	
DWR ID	RD0544U02RM32.91				

Comment Code

Inspector Comment

Site ID: RD0544U02RM32.91
 08/14/2019: No significant change observed. Dense vegetation was observed at the site.
 09/13/2017: No significant change observed.
 07/25/2016: No significant change observed.
 06/25/2015: No significant change observed.
 07/02/2014: No significant change observed.
 10/11/2013: No significant change observed.
 08/07/2012: Series of pocket erosion sites were discovered at the levee toe during the boat survey. The area is covered with vegetation and riprap, but the riprap has been washed away.

LM Start	2.65	Rating **	M	Issue No.	1 (cont)
LM End	2.67	Issue Type +	Ma	Location *	

Photo 1 of 2 : SJR2019_RD0544U02RM32.91_1.jpg



Front view of the pocket erosion. Note vegetation and riprap at the site.

Photo 2 of 2 : SJR2019_RD0544U02RM32.91_2.jpg



Front view of the pocket erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.67	Rating **	M	Issue No.	76
LM End	2.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.818112°	37.818112°
				-121.351108°	-121.351108°
DWR ID	DWR_RD0544_02_s_2017_76				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.68	Rating **	A/W	Issue No.	90
LM End	2.71	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.818000°	37.817800°
				-121.351200°	-121.351500°
DWR ID	LMA-454				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage.					
Site ID No:548					
Site Designation:LMA-454					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:8/18/2017					
Notes:					

Photo 1 of 3 : LEVAL_FA_2019_548_4661.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	2.71	Rating **	U	Issue No.	43
LM End	3.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.817747°	37.819583°	
			-121.351578°	-121.363559°	
DWR ID	DWR_RD0544_02_s_2012_43				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 2 : FA_2019_RD0544_109_43_20190830_00027.jpg



Looking southwest at levee.

LM Start	2.71	Rating **	U	Issue No.	43 (cont)
LM End	3.45	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_RD0544_109_43_20190830_00028.jpg



Looking at dense vegetation on landward and waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	3.11	Rating **	A/W	Issue No.	92 (cont)
LM End	3.12	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.817700°	37.817800°
				-121.358600°	-121.358700°
DWR ID	LMA-452				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage. Site ID No: 546 Site Designation: LMA-452 Repair Type: Erosion Rating: Area of Concern Field Date: 8/18/2017 Notes: dense vegetations on both sides of the levee made the slopes inaccessible					

Photo 3 of 3 : LEVAL_FA_2019_546_4698.jpg



LM Start	3.20	Rating **	M	Issue No.	30
LM End	3.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.818748°	37.819717°
				-121.359440°	-121.362733°
DWR ID	DWR_RD0544_02_s_2013_30				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	3.20	Rating **	M	Issue No.	111
LM End	3.20	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.818824 °	37.818824 °
				-121.359526 °	-121.359526 °
DWR ID	22679				
Comment Code					
Inspector Comment					
DS_ID:22679 FS_ID:24908 EP_NO: 16972 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump not found on the waterward side.Damaged pipe-plug on waterside. Pipe exposed on both sides of the levee. FIELD_STRUCT_DESC: 1 of 2: 8-inch polyvinyl chloride (PVC) drainage discharge pipe through the levee, 2 feet below the crown. Siphon breaker on the waterside (WS). Pump on a steel platform in a drainage ditch. (Plans to replace the existing 6-inch drainage pipeline with a 14-inch steel pipeline and to replace two existing 8-inch pipelines with two 8-inch drainage discharge pipelines through the levee authorized under Permit No. 16972, 1999 - Joseph I. and Gayle Muller, TR). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 10/31/2013					

Photo 1 of 3 : UCIP_FA_2019_24908_44898.jpg



WS view: 12" steel pipe (top), two 8" white pvc pipes (bottom) on levee shoulder.

LM Start	3.20	Rating **	M	Issue No.	111 (cont)
LM End	3.20	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_24908_44897.jpg



WS view: 8" white pvc pipe with siphon breaker on levee shoulder. An unplugged hole on the pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	3.20	Rating **	M	Issue No.	111 (cont)
LM End	3.20	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.818824 °	37.818824 °
				-121.359526 °	-121.359526 °
DWR ID	22679				
Comment Code					
Inspector Comment					
DS_ID:22679 FS_ID:24908 EP_NO: 16972 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump not found on the waterward side.Damaged pipe-plug on waterside. Pipe exposed on both sides of the levee. FIELD_STRUCT_DESC: 1 of 2: 8-inch polyvinyl chloride (PVC) drainage discharge pipe through the levee, 2 feet below the crown. Siphon breaker on the waterside (WS). Pump on a steel platform in a drainage ditch. (Plans to replace the existing 6-inch drainage pipeline with a 14-inch steel pipeline and to replace two existing 8-inch pipelines with two 8-inch drainage discharge pipelines through the levee authorized under Permit No. 16972, 1999 - Joseph I. and Gayle Muller, TR). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 10/31/2013					

Photo 3 of 3 : UCIP_FA_2019_24908_44896.jpg



LS view: pump on steel platform over drainage ditch.

LM Start	3.22	Rating **	M	Issue No.	62
LM End	3.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.818985 °	37.818985 °
				-121.359675 °	-121.359675 °
DWR ID	DWR_RD0544_02_s_2015_62				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	3.25	Rating **	U	Issue No.	78
LM End	3.25	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.819347°	37.819347°
				-121.360103°	-121.360103°
DWR ID	DWR_RD0544_02_s_2017_78				
Comment Code					
RW : Retaining Wall					
Inspector Comment					
Waterside slope retaining wall at pump location has slipped.					

Photo 1 of 1 : FA_2019_RD0544_109_78_20190830_00044.jpg



Looking east at sloughing of earthen pad on waterward shoulder and slope.

LM Start	3.25	Rating **	A/W	Issue No.	93
LM End	3.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.819300°	37.819800°
				-121.360200°	-121.361600°
DWR ID	LMA-451				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage.					
Site ID No:545					
Site Designation:LMA-451					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:8/18/2017					
Notes:					

Photo 1 of 3 : LEVAL_FA_2019_545_4707.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

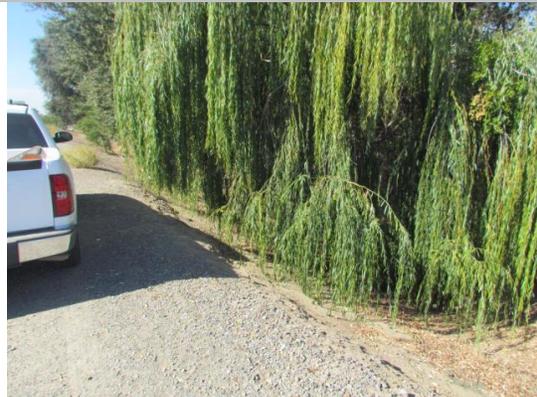
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	3.29	Rating **	M	Issue No.	54
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.819635 °	37.819635 °	
			-121.360619 °	-121.360619 °	
DWR ID	DWR_RD0544_02_f_2014_54				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.49	Rating **	M	Issue No.	55
LM End	3.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.819563 °	37.819542 °	
			-121.364307 °	-121.364908 °	
DWR ID	DWR_RD0544_02_f_2014_55				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0544_109_55_20190830_00030.jpg



Looking southwest at untrimmed trees on landward slope and toe, Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	3.57	Rating **	M	Issue No.	19
LM End	3.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.819400 °	37.819400 °	
			-121.365762 °	-121.365762 °	
DWR ID	DWR_RD0544_02_f_2013_19				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.57	Rating **	A/W	Issue No.	95
LM End	3.58	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.819400 °	37.819400 °	
			-121.365800 °	-121.365900 °	
DWR ID	LMA-449				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Slope protection repairs are needed along the waterside slope due to erosion and riprap displacement from high water. Based upon levee inspections, it was determined the waterside levee slope is eroding, deteriorating, and degrading. The eroded levee sections need to be restored back to design standards to prevent further deterioration and damage.					
Site ID No:543					
Site Designation:LMA-449					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:8/18/2017					
Notes:					

Photo 1 of 3 : LEVAL_FA_2019_543_4790.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	3.58	Rating **	M	Issue No.	67
LM End	3.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.819419°	37.819419°
				-121.365854°	-121.365854°
DWR ID	DWR_RD0544_02_f_2015_67				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent holes on landward slope.					

Photo 1 of 2 : FA_2019_RD0544_109_67_20190830_00032.jpg



Looking northeast at typical view of rodent holes on landward slope.

LM Start	3.58	Rating **	M	Issue No.	67 (cont)
LM End	3.58	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2019_RD0544_109_67_20190830_00033.jpg



Looking north at typical view of rodent holes on landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	3.60	Rating **	A/W	Issue No.	96
LM End	3.61	Issue Type +	Ob	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.819590°	37.819600°	
			-121.366320°	-121.366390°	
DWR ID	334-111				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:92					
Site Designation:334-111					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

LM Start	3.67	Rating **	M	Issue No.	40
LM End	3.67	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.819857°	37.819857°	
			-121.367499°	-121.367499°	
DWR ID	DWR_RD0544_02_s_2019_40				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	09/25/2019 09/25/2019	Alberto De Leon

LM Start	4.05	Rating **	U	Issue No.	64
LM End	4.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.821620°	37.821620°	
			-121.373283°	-121.373283°	
DWR ID	DWR_RD0544_02_s_2015_64				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	4.14	Rating **	A/W	Issue No.	97
LM End	4.15	Issue Type +	Ob	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.822400°	37.822600°	
			-121.374410°	-121.374510°	
DWR ID	334-103				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:98					
Site Designation:334-103					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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